Marco Prinz

List of Publications by Year
in descending order

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Version: 2024-02-01

325 papers	47,932 citations	1697 104 h-index	2116 203 g-index
343 all docs	343 docs citations	343 times ranked	52647 citing authors

#	Article	IF	Citations
1	Host microbiota constantly control maturation and function of microglia in the CNS. Nature Neuroscience, 2015, 18, 965-977.	7.1	2,340
2	A Lineage of Myeloid Cells Independent of Myb and Hematopoietic Stem Cells. Science, 2012, 336, 86-90.	6.0	2,084
3	DNA methylation-based classification of central nervous system tumours. Nature, 2018, 555, 469-474.	13.7	1,872
4	U-Net: deep learning for cell counting, detection, and morphometry. Nature Methods, 2019, 16, 67-70.	9.0	1,242
5	Microglia emerge from erythromyeloid precursors via Pu.1- and Irf8-dependent pathways. Nature Neuroscience, 2013, 16, 273-280.	7.1	1,121
6	Microglia and brain macrophages in the molecular age: from origin to neuropsychiatric disease. Nature Reviews Neuroscience, 2014, 15, 300-312.	4.9	1,069
7	Type I interferons and microbial metabolites of tryptophan modulate astrocyte activity and central nervous system inflammation via the aryl hydrocarbon receptor. Nature Medicine, 2016, 22, 586-597.	15.2	987
8	Neuropathology of patients with COVID-19 in Germany: a post-mortem case series. Lancet Neurology, The, 2020, 19, 919-929.	4.9	957
9	Microglia in the adult brain arise from Ly-6ChiCCR2+ monocytes only under defined host conditions. Nature Neuroscience, 2007, 10, 1544-1553.	7.1	910
10	Origin, fate and dynamics of macrophages at central nervous system interfaces. Nature Immunology, 2016, 17, 797-805.	7.0	872
11	Spatial and temporal heterogeneity of mouse and human microglia at single-cell resolution. Nature, 2019, 566, 388-392.	13.7	853
12	Microglia Biology: One Century of Evolving Concepts. Cell, 2019, 179, 292-311.	13.5	772
13	New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. Cell, 2016, 164, 1060-1072.	13.5	702
14	Microglial control of astrocytes in response to microbial metabolites. Nature, 2018, 557, 724-728.	13.7	693
15	Experimental autoimmune encephalomyelitis repressed by microglial paralysis. Nature Medicine, 2005, 11, 146-152.	15.2	667
16	Heterogeneity of CNS myeloid cells and their roles in neurodegeneration. Nature Neuroscience, 2011, 14, 1227-1235.	7.1	606
17	Innate immune memory in the brain shapes neurological disease hallmarks. Nature, 2018, 556, 332-338.	13.7	605
18	Single-cell profiling identifies myeloid cell subsets with distinct fates during neuroinflammation. Science, 2019, 363, .	6.0	583

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19	A new type of microglia gene targeting shows TAK1 to be pivotal in CNS autoimmune inflammation. Nature Neuroscience, 2013, 16, 1618-1626.	7.1	574
20	Targeting gene-modified hematopoietic cells to the central nervous system: Use of green fluorescent protein uncovers microglial engraftment. Nature Medicine, 2001, 7, 1356-1361.	15.2	567
21	p62 Is a Common Component of Cytoplasmic Inclusions in Protein Aggregation Diseases. American Journal of Pathology, 2002, 160, 255-263.	1.9	550
22	Genetic Cell Ablation Reveals Clusters of Local Self-Renewing Microglia in the Mammalian Central Nervous System. Immunity, 2015, 43, 92-106.	6.6	506
23	The role of peripheral immune cells in the CNS in steady state and disease. Nature Neuroscience, 2017, 20, 136-144.	7.1	468
24	A new fate mapping system reveals context-dependent random or clonal expansion of microglia. Nature Neuroscience, 2017, 20, 793-803.	7.1	446
25	Microglia Heterogeneity in the Single-Cell Era. Cell Reports, 2020, 30, 1271-1281.	2.9	421
26	DNA methylation protects hematopoietic stem cell multipotency from myeloerythroid restriction. Nature Genetics, 2009, 41, 1207-1215.	9.4	412
27	CCR2+Ly-6Chi monocytes are crucial for the effector phase of autoimmunity in the central nervous system. Brain, 2009, 132, 2487-2500.	3.7	393
28	Microglia contribute to normal myelinogenesis and to oligodendrocyte progenitor maintenance during adulthood. Acta Neuropathologica, 2017, 134, 441-458.	3.9	375
29	Progressive replacement of embryo-derived cardiac macrophages with age. Journal of Experimental Medicine, 2014, 211, 2151-2158.	4.2	374
30	Single cell RNA sequencing of human microglia uncovers a subset associated with Alzheimerâ€™s disease. Nature Communications, 2020, 11, 6129.	5.8	371
31	Propionic Acid Shapes the Multiple Sclerosis Disease Course by an Immunomodulatory Mechanism. Cell, 2020, 180, 1067-1080.e16.	13.5	367
32	5â€²-triphosphate-siRNA: turning gene silencing and Rig-I activation against melanoma. Nature Medicine, 2008, 14, 1256-1263.	15.2	353
33	Distinct and Nonredundant In Vivo Functions of IFNAR on Myeloid Cells Limit Autoimmunity in the Central Nervous System. Immunity, 2008, 28, 675-686.	6.6	352
34	TREM2-Transduced Myeloid Precursors Mediate Nervous Tissue Debris Clearance and Facilitate Recovery in an Animal Model of Multiple Sclerosis. PLoS Medicine, 2007, 4, e124.	3.9	340
35	Ontogeny and homeostasis of CNS myeloid cells. Nature Immunology, 2017, 18, 385-392.	7.0	334
36	On-demand erythrocyte disposal and iron recycling requires transient macrophages in the liver. Nature Medicine, 2016, 22, 945-951.	15.2	333

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37	Innate immunity mediated by TLR9 modulates pathogenicity in an animal model of multiple sclerosis. Journal of Clinical Investigation, 2006, 116, 456-464.	3.9	329
38	Microglia in Central Nervous System Inflammation and Multiple Sclerosis Pathology. Trends in Molecular Medicine, 2019, 25, 112-123.	3.5	318
39	Origin of Microglia: Current Concepts and Past Controversies. Cold Spring Harbor Perspectives in Biology, 2015, 7, a020537.	2.3	298
40	Mapping microglia states in the human brain through the integration of high-dimensional techniques. Nature Neuroscience, 2019, 22, 2098-2110.	7.1	296
41	Axonal loss and neuroinflammation caused by peroxisome-deficient oligodendrocytes. Nature Genetics, 2007, 39, 969-976.	9.4	294
42	Cross-Species Single-Cell Analysis Reveals Divergence of the Primate Microglia Program. Cell, 2019, 179, 1609-1622.e16.	13.5	292
43	Distinct and Non-Redundant Roles of Microglia and Myeloid Subsets in Mouse Models of Alzheimer's Disease. Journal of Neuroscience, 2011, 31, 11159-11171.	1.7	286
44	Factors regulating microglia activation. Frontiers in Cellular Neuroscience, 2013, 7, 44.	1.8	286
45	Self-renewing resident arterial macrophages arise from embryonic CX3CR1+ precursors and circulating monocytes immediately after birth. Nature Immunology, 2016, 17, 159-168.	7.0	275
46	Platelet GPIbÎ± is a mediator and potential interventional target for NASH and subsequent liver cancer. Nature Medicine, 2019, 25, 641-655.	15.2	259
47	Endothelial CCR2 Signaling Induced by Colon Carcinoma Cells Enables Extravasation via the JAK2-Stat5 and p38MAPK Pathway. Cancer Cell, 2012, 22, 91-105.	7.7	256
48	Macrophages at CNS interfaces: ontogeny and function in health andÂdisease. Nature Reviews Neuroscience, 2019, 20, 547-562.	4.9	250
49	Single-cell mass cytometry reveals distinct populations of brain myeloid cells in mouse neuroinflammation and neurodegeneration models. Nature Neuroscience, 2018, 21, 541-551.	7.1	249
50	Cognitive impairment and altered cerebral glucose metabolism in the subacute stage of COVID-19. Brain, 2021, 144, 1263-1276.	3.7	245
51	Neutrophil granulocytes recruited upon translocation of intestinal bacteria enhance graft-versus-host disease via tissue damage. Nature Medicine, 2014, 20, 648-654.	15.2	241
52	Sarcoma classification by DNA methylation profiling. Nature Communications, 2021, 12, 498.	5.8	237
53	Microglia and Central Nervous Systemâ€“Associated Macrophagesâ€”From Origin to Disease Modulation. Annual Review of Immunology, 2021, 39, 251-277.	9.5	228
54	Human USP18 deficiency underlies type 1 interferonopathy leading to severe pseudo-TORCH syndrome. Journal of Experimental Medicine, 2016, 213, 1163-1174.	4.2	224

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55	Tumor-associated reactive astrocytes aid the evolution of immunosuppressive environment in glioblastoma. Nature Communications, 2019, 10, 2541.	5.8	218
56	Sorafenib promotes graft-versus-leukemia activity in mice and humans through IL-15 production in FLT3-ITD-mutant leukemia cells. Nature Medicine, 2018, 24, 282-291.	15.2	216
57	Microglia in steady state. Journal of Clinical Investigation, 2017, 127, 3201-3209.	3.9	212
58	Deep spatial profiling of human COVID-19 brains reveals neuroinflammation with distinct microanatomical microglia-T-cell interactions. Immunity, 2021, 54, 1594-1610.e11.	6.6	210
59	Transepithelial prion transport by M cells. Nature Medicine, 2001, 7, 976-977.	15.2	209
60	TAK1 Suppresses a NEMO-Dependent but NF-Î¹B-Independent Pathway to Liver Cancer. Cancer Cell, 2010, 17, 481-496.	7.7	207
61	Microglia in the CNS: Immigrants from another world. Glia, 2011, 59, 177-187.	2.5	203
62	Positioning of follicular dendritic cells within the spleen controls prion neuroinvasion. Nature, 2003, 425, 957-962.	13.7	195
63	The neurovascular unit as a selective barrier to polymorphonuclear granulocyte (PMN) infiltration into the brain after ischemic injury. Acta Neuropathologica, 2013, 125, 395-412.	3.9	192
64	Activation of canonical WNT/Î²-catenin signaling enhances in vitro motility of glioblastoma cells by activation of ZEB1 and other activators of epithelial-to-mesenchymal transition. Cancer Letters, 2012, 325, 42-53.	3.2	191
65	Microglia: Immune and non-immune functions. Immunity, 2021, 54, 2194-2208.	6.6	191
66	Anaplastic astrocytoma with piloid features, a novel molecular class of IDH wildtype glioma with recurrent MAPK pathway, CDKN2A/B and ATRX alterations. Acta Neuropathologica, 2018, 136, 273-291.	3.9	190
67	Novel Hexb-based tools for studying microglia in the CNS. Nature Immunology, 2020, 21, 802-815.	7.0	186
68	Dendritic Cells Ameliorate Autoimmunity in the CNS by Controlling the Homeostasis of PD-1 Receptor+ Regulatory T Cells. Immunity, 2012, 37, 264-275.	6.6	184
69	Chronic Lymphocytic Inflammation Specifies the Organ Tropism of Prions. Science, 2005, 307, 1107-1110.	6.0	183
70	<scp>USP</scp> 18 lack in microglia causes destructive interferonopathy of the mouse brain. EMBO Journal, 2015, 34, 1612-1629.	3.5	178
71	Essential Role of Ubiquitin-Specific Protease 8 for Receptor Tyrosine Kinase Stability and Endocytic Trafficking In Vivo. Molecular and Cellular Biology, 2007, 27, 5029-5039.	1.1	174
72	Microbiota-derived acetate enables the metabolic fitness of the brain innate immune system during health and disease. Cell Metabolism, 2021, 33, 2260-2276.e7.	7.2	173

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73	Circulating monocytes engraft in the brain, differentiate into microglia and contribute to the pathology following meningitis in mice. Brain, 2006, 129, 2394-2403.	3.7	169
74	Role of Microglia in CNS Autoimmunity. Clinical and Developmental Immunology, 2013, 2013, 1-8.	3.3	166
75	Engrafted parenchymal brain macrophages differ from microglia in transcriptome, chromatin landscape and response to challenge. Nature Communications, 2018, 9, 5206.	5.8	166
76	Lack of Neuronal IFN-Î²-IFNAR Causes Lewy Body- and Parkinsonâ€™s Disease-like Dementia. Cell, 2015, 163, 324-339.	13.5	160
77	Mef2C restrains microglial inflammatory response and is lost in brain ageing inÂan IFN-I-dependent manner. Nature Communications, 2017, 8, 717.	5.8	157
78	Microglia as modulators of cognition and neuropsychiatric disorders. Glia, 2013, 61, 62-70.	2.5	152
79	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. Nature Communications, 2018, 9, 2036.	5.8	152
80	A novel role of sphingosine 1-phosphate receptor S1pr1 in mouse thrombopoiesis. Journal of Experimental Medicine, 2012, 209, 2165-2181.	4.2	151
81	Interleukin 18â€“independent engagement of interleukin 18 receptor-Î± is required for autoimmune inflammation. Nature Immunology, 2006, 7, 946-953.	7.0	149
82	Tickets to the brain: Role of CCR2 and CX3CR1 in myeloid cell entry in the CNS. Journal of Neuroimmunology, 2010, 224, 80-84.	1.1	149
83	Profiling peripheral nerve macrophages reveals two macrophage subsets with distinct localization, transcriptome and response to injury. Nature Neuroscience, 2020, 23, 676-689.	7.1	148
84	Longâ€term seizure outcome in 211 patients with focal cortical dysplasia. Epilepsia, 2015, 56, 66-76.	2.6	146
85	A somatic mutation in erythro-myeloid progenitors causes neurodegenerative disease. Nature, 2017, 549, 389-393.	13.7	144
86	Histone Deacetylases 1 and 2 Regulate Microglia Function during Development, Homeostasis, and Neurodegeneration in a Context-Dependent Manner. Immunity, 2018, 48, 514-529.e6.	6.6	144
87	Brain Endothelial- and Epithelial-Specific Interferon Receptor Chain 1 Drives Virus-Induced Sickness Behavior and Cognitive Impairment. Immunity, 2016, 44, 901-912.	6.6	143
88	A Subset of Skin Macrophages Contributes to the Surveillance and Regeneration of Local Nerves. Immunity, 2019, 50, 1482-1497.e7.	6.6	141
89	Murine Microglial Cells Produce and Respond to Interleukin-18. Journal of Neurochemistry, 2008, 72, 2215-2218.	2.1	139
90	Microglia Plasticity During Health and Disease: An Immunological Perspective. Trends in Immunology, 2015, 36, 614-624.	2.9	136

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91	Neurons under T Cell Attack Coordinate Phagocyte-Mediated Synaptic Stripping. Cell, 2018, 175, 458-471.e19.	13.5	136
92	Microglia facilitate repair of demyelinated lesions via post-squalene sterol synthesis. Nature Neuroscience, 2021, 24, 47-60.	7.1	134
93	Hypothalamic innate immune reaction in obesity. Nature Reviews Endocrinology, 2015, 11, 339-351.	4.3	133
94	Mononuclear phagocytes locally specify and adapt their phenotype in a multiple sclerosis model. Nature Neuroscience, 2018, 21, 1196-1208.	7.1	132
95	Communicating systems in the body: how microbiota and microglia cooperate. Immunology, 2017, 150, 7-15.	2.0	130
96	Lymph nodal prion replication and neuroinvasion in mice devoid of follicular dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 919-924.	3.3	129
97	Soluble Dimeric Prion Protein Binds PrPSc In Vivo and Antagonizes Prion Disease. Cell, 2003, 113, 49-60.	13.5	129
98	Local Type I IFN Receptor Signaling Protects against Virus Spread within the Central Nervous System. Journal of Immunology, 2009, 182, 2297-2304.	0.4	128
99	Bone Marrow Cell Recruitment to the Brain in the Absence of Irradiation or Parabiosis Bias. PLoS ONE, 2013, 8, e58544.	1.1	127
100	Barcoded viral tracing of single-cell interactions in central nervous system inflammation. Science, 2021, 372, .	6.0	127
101	Role of ninjurinâ€1 in the migration of myeloid cells to central nervous system inflammatory lesions. Annals of Neurology, 2011, 70, 751-763.	2.8	126
102	Oral Prion Infection Requires Normal Numbers of Peyer's Patches but Not of Enteric Lymphocytes. American Journal of Pathology, 2003, 162, 1103-1111.	1.9	125
103	Silencing of TGFÎ² signalling in microglia results in impaired homeostasis. Nature Communications, 2018, 9, 4011.	5.8	125
104	Nuclear factor kappa B (NF-ÎºB) in multiple sclerosis pathology. Trends in Molecular Medicine, 2013, 19, 604-613.	3.5	122
105	Type I interferon pathway in CNS homeostasis and neurological disorders. Glia, 2017, 65, 1397-1406.	2.5	117
106	Genetic targeting of microglia. Glia, 2015, 63, 1-22.	2.5	116
107	Interferon-Î³ differentially modulates the release of cytokines and chemokines in lipopolysaccharide- and pneumococcal cell wall-stimulated mouse microglia and macrophages. European Journal of Neuroscience, 2002, 16, 2113-2122.	1.2	111
108	Microglia: unique and common features with other tissue macrophages. Acta Neuropathologica, 2014, 128, 319-331.	3.9	111

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109	Tryptophan metabolism drives dynamic immunosuppressive myeloid states in IDH-mutant gliomas. Nature Cancer, 2021, 2, 723-740.	5.7	110
110	Transcriptomeâ€based profiling of yolk sacâ€derived macrophages reveals a role for Irf8 in macrophage maturation. EMBO Journal, 2016, 35, 1730-1744.	3.5	108
111	Specification of CNS macrophage subsets occurs postnatally in defined niches. Nature, 2022, 604, 740-748.	13.7	107
112	T-cell dysfunction in the glioblastoma microenvironment is mediated by myeloid cells releasing interleukin-10. Nature Communications, 2022, 13, 925.	5.8	104
113	Selective inactivation of USP18 isopeptidase activity in vivo enhances ISG15 conjugation and viral resistance. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1577-1582.	3.3	100
114	Amyloid beta peptide 1-40 enhances the action of Toll-like receptor-2 and -4 agonists but antagonizes Toll-like receptor-9-induced inflammation in primary mouse microglial cell cultures. Journal of Neurochemistry, 2005, 94, 289-298.	2.1	98
115	Inhibition of amyloid-Î² plaque formation by Î±-synuclein. Nature Medicine, 2015, 21, 802-807.	15.2	97
116	Central nervous system myeloid cells as drug targets: current status and translational challenges. Nature Reviews Drug Discovery, 2016, 15, 110-124.	21.5	97
117	Mouse Brain Microglia Express Interleukin-15 and Its Multimeric Receptor Complex Functionally Coupled to Janus Kinase Activity. Journal of Biological Chemistry, 1997, 272, 28853-28860.	1.6	95
118	Microglial Activation by Components of Gram-Positive and -Negative Bacteria: Distinct and Common Routes to the Induction of Ion Channels and Cytokines. Journal of Neuropathology and Experimental Neurology, 1999, 58, 1078-1089.	0.9	95
119	ÎºB kinase 2 determines oligodendrocyte loss by non-cell-autonomous activation of NF-ÎºB in the central nervous system. Brain, 2011, 134, 1184-1198.	3.7	94
120	DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas. Cell, 2016, 167, 1264-1280.e18.	13.5	94
121	NLRP3 inflammasome as prognostic factor and therapeutic target in primary progressive multiple sclerosis patients. Brain, 2020, 143, 1414-1430.	3.7	92
122	Microglia contribute to the propagation of AÎ² into unaffected brain tissue. Nature Neuroscience, 2022, 25, 20-25.	7.1	89
123	Reexamination of the Role of Ubiquitin-Like Modifier ISG15 in the Phenotype of UBP43-Deficient Mice. Molecular and Cellular Biology, 2005, 25, 11030-11034.	1.1	88
124	Seedâ€induced AÎ² deposition is modulated by microglia under environmental enrichment in a mouse model of Alzheimer's disease. EMBO Journal, 2018, 37, 167-182.	3.5	87
125	Targeting microglia in brain disorders. Science, 2019, 365, 32-33.	6.0	85
126	Type I Interferon Receptor Signaling of Neurons and Astrocytes Regulates Microglia Activation during Viral Encephalitis. Cell Reports, 2018, 25, 118-129.e4.	2.9	84

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127	Gut microbiota drives age-related oxidative stress and mitochondrial damage in microglia via the metabolite N6-carboxymethyllysine. Nature Neuroscience, 2022, 25, 295-305.	7.1	84
128	Lineage-specific splicing of a brain-enriched alternative exon promotes glioblastoma progression. Journal of Clinical Investigation, 2014, 124, 2861-2876.	3.9	83
129	Early and Rapid Engraftment of Bone Marrow-Derived Microglia in Scrapie. Journal of Neuroscience, 2006, 26, 11753-11762.	1.7	82
130	Truncated Prion Protein and Doppel Are Myelinotoxic in the Absence of Oligodendrocytic PrPC. Journal of Neuroscience, 2005, 25, 4879-4888.	1.7	81
131	Inhomogeneous distribution of Ibaâ€1 characterizes microglial pathology in Alzheimer's disease. Glia, 2016, 64, 1562-1572.	2.5	81
132	Comprehensive analysis of PD-L1 expression in glioblastoma multiforme. Oncotarget, 2017, 8, 42214-42225.	0.8	81
133	Development and function of tissue resident macrophages in mice. Seminars in Immunology, 2015, 27, 369-378.	2.7	79
134	Interventional strategies against prion diseases. Nature Reviews Neuroscience, 2001, 2, 745-749.	4.9	76
135	Childhood supratentorial ependymomas with YAP1â€MAMLD1 fusion: an entity with characteristic clinical, radiological, cytogenetic and histopathological features. Brain Pathology, 2019, 29, 205-216.	2.1	75
136	Different effects of constitutive and induced microbiota modulation on microglia in a mouse model of Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2020, 8, 119.	2.4	75
137	The protein tyrosine kinase inhibitor AG126 prevents the massive microglial cytokine induction by pneumococcal cell walls. European Journal of Immunology, 2001, 31, 2104-2115.	1.6	74
138	Smad7 in T cells drives T helper 1 responses in multiple sclerosis and experimental autoimmune encephalomyelitis. Brain, 2010, 133, 1067-1081.	3.7	73
139	Prion pathogenesis in the absence of Tollâ€like receptor signalling. EMBO Reports, 2003, 4, 195-199.	2.0	72
140	CC chemokine receptor 4 is required for experimental autoimmune encephalomyelitis by regulating GM-CSF and IL-23 production in dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3897-3902.	3.3	72
141	Differential contribution of immune effector mechanisms to cortical demyelination in multiple sclerosis. Acta Neuropathologica, 2017, 134, 15-34.	3.9	72
142	Unique microglia recovery population revealed by single-cell RNAseq following neurodegeneration. Acta Neuropathologica Communications, 2018, 6, 87.	2.4	72
143	Intrinsic TNFR2 signaling in T regulatory cells provides protection in CNS autoimmunity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13051-13056.	3.3	71
144	Multi-focal occurrence of cortical dysplasia in epilepsy patients. Brain, 2009, 132, 2079-2090.	3.7	69

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145	<scp>CD</scp>14 is a key organizer of microglial responses to <scp>CNS</scp> infection and injury. Glia, 2016, 64, 635-649.	2.5	69
146	Paracaspase MALT1 Deficiency Protects Mice from Autoimmune-Mediated Demyelination. Journal of Immunology, 2013, 190, 2896-2903.	0.4	68
147	Interferonâ€beta signaling in retinal mononuclear phagocytes attenuates pathological neovascularization. EMBO Molecular Medicine, 2016, 8, 670-678.	3.3	68
148	Dicer Deficiency Differentially Impacts Microglia of the Developing and Adult Brain. Immunity, 2017, 46, 1030-1044.e8.	6.6	68
149	Microglial CX3CR1 promotes adult neurogenesis by inhibiting Sirt 1/p65 signaling independent of CX3CL1. Acta Neuropathologica Communications, 2016, 4, 102.	2.4	67
150	IL-17 controls central nervous system autoimmunity through the intestinal microbiome. Science Immunology, 2021, 6, .	5.6	67
151	SARS-CoV-2 vaccination can elicit a CD8 T-cell dominant hepatitis. Journal of Hepatology, 2022, 77, 653-659.	1.8	67
152	Stromal Complement Receptor CD21/35 Facilitates Lymphoid Prion Colonization and Pathogenesis. Journal of Immunology, 2007, 179, 6144-6152.	0.4	66
153	Melanotic Tumors of the Nervous System are Characterized by Distinct Mutational, Chromosomal and Epigenomic Profiles. Brain Pathology, 2015, 25, 202-208.	2.1	66
154	Resolution of neuroinflammation: mechanisms and potential therapeutic option. Seminars in Immunopathology, 2019, 41, 699-709.	2.8	65
155	Analyzing microglial phenotypes across neuropathologies: a practical guide. Acta Neuropathologica, 2021, 142, 923-936.	3.9	65
156	Autonomous TNF is critical for in vivo monocyte survival in steady state and inflammation. Journal of Experimental Medicine, 2017, 214, 905-917.	4.2	63
157	AÎ² oligomers trigger and accelerate AÎ² seeding. Brain Pathology, 2020, 30, 36-45.	2.1	62
158	Loss of Trex1 in Dendritic Cells Is Sufficient To Trigger Systemic Autoimmunity. Journal of Immunology, 2016, 197, 2157-2166.	0.4	61
159	Cytosolic RIG-Iâ€“like helicases act as negative regulators of sterile inflammation in the CNS. Nature Neuroscience, 2012, 15, 98-106.	7.1	60
160	Myeloid Cells in Alzheimer's Disease: Culprits, Victims or Innocent Bystanders?. Trends in Neurosciences, 2015, 38, 659-668.	4.2	60
161	The Role of TGFÎ² Signaling in Microglia Maturation and Activation. Trends in Immunology, 2020, 41, 836-848.	2.9	60
162	The roles of microglia in viral encephalitis: from sensome to therapeutic targeting. Cellular and Molecular Immunology, 2021, 18, 250-258.	4.8	60

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163	Mapping the origin and fate of myeloid cells in distinct compartments of the eye by singleâ€cell profiling. EMBO Journal, 2021, 40, e105123.	3.5	60
164	Autoantibody-mediated demyelination depends on complement activation but not activatory Fc-receptors. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18697-18702.	3.3	59
165	Do not judge a cell by its coverâ€"diversity of CNS resident, adjoining and infiltrating myeloid cells in inflammation. Seminars in Immunopathology, 2015, 37, 591-605.	2.8	58
166	Oligodendrocyte-Specific FADD Deletion Protects Mice from Autoimmune-Mediated Demyelination. Journal of Immunology, 2010, 185, 7646-7653.	0.4	57
167	Microglia metabolism in health and disease. Neurochemistry International, 2019, 130, 104331.	1.9	56
168	Chronic Peripheral Inflammation Causes a Region-Specific Myeloid Response in the Central Nervous System. Cell Reports, 2020, 30, 4082-4095.e6.	2.9	56
169	Antiinflammatory Properties of a Plant-Derived Nonsteroidal, Dissociated Glucocorticoid Receptor Modulator in Experimental Autoimmune Encephalomyelitis. Molecular Endocrinology, 2010, 24, 310-322.	3.7	55
170	Microglia contribute to the glia limitans around arteries, capillaries and veins under physiological conditions, in a model of neuroinflammation and in human brain tissue. Brain Structure and Function, 2019, 224, 1301-1314.	1.2	55
171	Bone Marrow-Derived Cells Expressing Green Fluorescent Protein under the Control of the Glial Fibrillary Acidic Protein Promoter Do Not Differentiate into AstrocytesIn VitroandIn Vivo. Journal of Neuroscience, 2003, 23, 5004-5011.	1.7	54
172	Functional Characterization of Aquaporin-4 Specific T Cells: Towards a Model for Neuromyelitis Optica. PLoS ONE, 2011, 6, e16083.	1.1	54
173	Comparative analysis of CreER transgenic mice for the study of brain macrophages: A case study. European Journal of Immunology, 2020, 50, 353-362.	1.6	53
174	Streptococcus pneumoniae Infection Aggravates Experimental Autoimmune Encephalomyelitis via Toll-Like Receptor 2. Infection and Immunity, 2006, 74, 4841-4848.	1.0	52
175	Immune system and peripheral nerves in propagation of prions to CNS. British Medical Bulletin, 2003, 66, 141-159.	2.7	51
176	Licensing of myeloid cells promotes central nervous system autoimmunity and is controlled by peroxisome proliferator-activated receptor Î³. Brain, 2012, 135, 1586-1605.	3.7	51
177	A Novel Function for P2Y2 in Myeloid Recipientâ€"Derived Cells during Graft-versus-Host Disease. Journal of Immunology, 2015, 195, 5795-5804.	0.4	51
178	CD14 and TRIF govern distinct responsiveness and responses in mouse microglial TLR4 challenges by structural variants of LPS. Brain, Behavior, and Immunity, 2011, 25, 957-970.	2.0	50
179	The ubiquitin-specific protease USP8 is critical for the development and homeostasis of T cells. Nature Immunology, 2015, 16, 950-960.	7.0	49
180	Genetic manipulation of microglia during brain development and disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 299-309.	1.8	49

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181	Intrinsic Resistance of Oligodendrocytes to Prion Infection. Journal of Neuroscience, 2004, 24, 5974-5981.	1.7	46
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